

Offshore Risk Assessment

Basic Course Specification							
Course Title		Course Code		Program on which the course is given			
Offshore Risk Assessment		OS 411		Bachelor			
Academic Year		Specialization (units of study)		Pre-Requisites			
2020-2021		Theoretical	1 hrs./week	OS 410			
		Application	3 hrs./week				
		Credit	2 Cr				
Overall Course Objectives							
Students successfully completing this course will be able to know the practical skills necessary to perform regular risk assessments for their organizations, learn step by step how to perform a risk assessment and know the elements of risk assessment and the data necessary for performing an effective risk assessment.							
Course Learning Outcomes By successful completion of the course each student will be able to:							
Topic			Linking to PLOs	Midterm Assessment	12 th Week Assessment	Class Activities	Final Exam
1. Describe types of hazard and risk assessment			f	√	√		√
2. Apply Principles of Risk Evaluation			h	√		√	√
3. Apply Methods of Risk Reductions.			g			√	
4. Analyze Output From Risk Assessment			h		√	√	√
5. Describe Qualitative Assessment and Quantitative Assessment			j	√	√		
6. Investigate the Incidents.			d			√	√
Course Content							
Lec./ Week #	Topic		Hrs. #	Theoretical		Application	
1	Hazard identification.		4	1		3	
2	Risk Assessment		4	1		3	
3	Cont. Risk Assessment		4	1		3	
4	Risk Assessment Quantitative Assessment		4	1		3	
5	Risk Reduction		4	1		3	
6	Cont. Risk Reduction		4	1		3	
7	7 th Week Exam		4	1		3	
8	Emergency Preparedness		4	1		3	

9	IMO Formal Safety Assessment	4	1	3
10	Applications on Offshore Operations	4	1	3
11	Cont. Applications on Offshore Operations	4	1	3
12	12 th Week Exam	4	1	3
13	Cont. Applications on Offshore Operations	4	1	3
14	Evaluation And Driving Force For The Use Of Risk Assessment	4	1	3
15	Review	4	1	3
16	Final Assessment			
Total		60	15	45
Teaching & Learning Methods		Facilities Required for Teaching & Learning Methods		
Explaining and demonstrating the lesson contents – Delivery of experience - discussing and asking questions to interact with students – solving examples.		White Board& Data Show		
Students Assessment Methods				
Assessment Schedule				
Assessment#1		Week 7		
Assessment#2		Week 12		
Assessment#3		Week 16		
Grading Method				
Midterm Assessment	Written exam	30%		
12 th week Assessment	Written exam	20%		
Class Activities	Participation – Quiz	10%		
Final Exam	Written exam	40%		
Total		100 %		
Assessment criteria shall meet the standards of the STCW 78 convention "as amended"; and in the light of the related IMO model courses.				
Staff Requirements				
Master FG/Ph.D.				
List of References				
Course Notes		Essential Books		

None	<ul style="list-style-type: none"> Guidelines for Offshore Marine Operations'.(GOMO) Code of Practice for Packing of Cargo Transport Units (CTUs)
Recommended Books	Periodicals and Publications
Others (websites, e-books...etc)	
None	

Accreditation Bodies
<p>*Egyptian Authority for Maritime Safety (EAMS)</p> <p>*European Commission (EC)</p> <p>*ISO (9001 – 2015) DNV-GL*</p> <p>*Central Evaluation and Accreditation Agency Hanover, Germany (ZEVA)</p> <p>*Ministry of Education (KSA)</p> <p>Ministry of Higher Education (Greece)*</p> <p>*Ministry of Higher Education (Oman)</p> <p>*Commission for Academic Accreditation (CAA), Ministry of higher Education (UAE)</p> <p>*University of Plymouth, United Kingdom (dual degree)</p>

Prepared By: Course Coordinator

R. Kamel

Reviewed By: Head of Department

M. Nassar

Date: November 2020